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**C12R 1/645 )**(21)Application number : **57-034989**(71)Applicant : **KYOWA HAKKO KOGYO CO LTD**(22)Date of filing : **05.03.1982**(72)Inventor : **IWASAKI TOSHIAKI**  
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**ARAI TAKEMITSU****(54) PRODUCTION OF GIBBERELLIN A4**

(57)Abstract:

**PURPOSE:** A microorganism capable of producing gibberellin A4 is cultured in a medium containing aluminum or copper compounds to produce gibberellin A4 in a large amount.

**CONSTITUTION:** An aluminum compound such as  $Al_2O_3$  (0.005W2.0g/l or a copper compound such as  $CuSO_4$  (0.001W0.5g/l), when needed, a zinc compound such as  $ZnCl_2$  (0.01W0.8g/l) are added to a culture medium containing carbon sources such as glucose, nitrogen sources such as ammonia, inorganic compounds such as potassium phosphate, trace nutrients such as aminoacids, a pH-adjuster such as sodium hydroxide. Then, a microorganism in *Gibberella*, capable of producing gibberellin A4 such as *Gibberella fujikuroi* NRRL 2633 is inoculated in the resultant medium and the cultivation is carried out with agitation or with agitation and aeration at 6W9pH, 30W36°C for 8W12 days.

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